

**DECLARATION****INVENTORSHIP IDENTIFICATION**

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (*if only one name is listed below*) or an original, first and joint inventor (*if plural names are listed below*) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

**CELL-FREE PRODUCTION OF GLUCOSAMINE****TITLE OF INVENTION****SPECIFICATION IDENTIFICATION**

the specification of which:

- (a) ☐ is attached hereto.
- (b) ☒ was filed on September 29, 2003, as ☒ Serial No. 10/671,886  
☐ and was amended on    (*if applicable*).
- (c) ☐ was described and claimed in PCT International Application No.    filed on     
☐ and was amended on    (*if applicable*).

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56.

**PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)**  
(Prior Foreign/Pct Application(S) Filed Within 12 Months  
(6 Months For Design) Prior To This Application)

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate(s) or 365(a) of any PCT international application(s) which designated at least one country other than the United States of America, listed below and have also identified below any foreign application(s) for patent or inventor's certificate(s) or any PCT international application(s) having a filing date before that of the application(s) of which priority is claimed.

Application Number	Country or PCT	Date Of Filing (Day, Month, Year)	Priority not Claimed	Certified Copy Attached?
			<input type="checkbox"/>	<input type="checkbox"/> YES <input type="checkbox"/> NO

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S) UNDER 35 U.S.C. § 119(e)**

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date
60/414,410	September 30, 2002

**CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S) UNDER 35 U.S.C. 120**

(All Foreign Application(S), *If Any*, Filed More Than 12 Months  
(6 Months For Design) Prior To This U.S. Application)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or 365(c) PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56, which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application.

U.S Parent Application No.	PCT Parent Application No.	Date Of Filing (Day, Month, Year)	Parent Patent No. ( <i>If applicable</i> )

**DECLARATION**

I hereby declare that my presentation of this paper constitutes a certification under 37 C.F.R § 10.18, which provides, in part, that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and that further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful statements may jeopardize the validity of the application and any patent issuing therefrom.

## SIGNATURE(S)

## Inventor(s)

\_\_\_\_\_  
(GIVEN NAME)                      (MIDDLE INITIAL OR NAME)                      Bao  
\_\_\_\_\_  
FAMILY (OR LAST NAME)

Inventor's signature Wuli

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Inventor's signature Thomas P. Binder

Date February 13, 2004 Country of Citizenship USA

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Inventor's signature Paul D. Hanke

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(GIVEN NAME)                      Leif                      Solheim  
\_\_\_\_\_  
FAMILY (OR LAST NAME)

Inventor's signature Leif J. Solheim

Date February 13, 2004 Country of Citizenship USA

Residence Decatur, IL 62521

Mailing Address: 8331 Timber Trail, Decatur, IL 62521

- ☐ **Signature** by administrator(trix), or legal representative for deceased or incapacitated inventor. *Number of pages added* \_\_\_\_\_.
- ☐ **Signature** for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. *Number of pages added* \_\_\_\_\_.
- ☐ Added page for **signature** by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time. (37 CFR 1.47) *Number of pages added* \_\_\_\_\_.
- ☐ Authorization of attorney(s) to accept and follow instructions from representative.
- ☒ This declaration ends with this page.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
**37 C.F.R. § 3.73(b) Statement**

Applicants : Bao et al.

For: CELL-FREE PRODUCTION OF GLUCOSAMINE

Serial No.: 10/671,886

Filed: September 29, 2003

**Archer-Daniels-Midland Company (a Delaware corporation)** is the assignee of the entire right, title and interest in the patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the **patent application** identified above. The assignment was recorded in the United States Patent and Trademark Office on \_\_\_\_\_ at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_ or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s) of the patent application identified above to the current assignee as shown below:

1. From \_\_\_\_ To: \_\_\_\_

The document was recorded in the United States Patent and Trademark Office on \_\_\_\_\_ at  
Reel \_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

**Power Of Attorney**

I hereby revoke all previous powers of attorney, if any, and appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Tim S. Bedard,  
Roberto Capriotti  
George D. Dickos,  
Thomas J. Edgington,  
Christine R. Ethridge,  
Kami Lammon-Hilinski  
Jesse A. Hirshman,  
Mark G. Knedeisen,  
William E. Kuss,  
James R. Kyper,  
Michael D. Lazzara,

Reg. No. 53,978  
Reg. No. 46,599  
Reg. No. 30,048  
Reg. No. 34,324  
Reg. No. 30,557  
Reg. No. 51,913  
Reg. No. 40,016  
Reg. No. 42,747  
Reg. No. 41,919  
Reg. No. 27,346  
Reg. No. 41,142

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Daniel R. Miller,  
Franklin B. Molin,  
Robert A. Muha,  
Mark A. Nuzzo,  
Jonathan C. Parks,  
Bernard G. Pike  
Robert V. Racunas, Jr.  
David Schramm  
Craig M. Waller,  
Robert D. Yeager

Reg. No. 36,360  
Reg. No. 52,030  
Reg. No. 37,397  
Reg. No. 44,249  
Reg. No. 53,396  
Reg. No. 40,120  
Reg. No. 46,993  
Reg. No. 43,027  
Reg. No. 41,295  
Reg. No. 54,771  
Reg. No. 25,047

**Please Direct All Correspondence to:** Jesse A. Hirshman, Esq.  
Kirkpatrick & Lockhart, LLP  
Henry W. Oliver Building  
535 Smithfield Street  
Pittsburgh, PA 15222-2312

**Declaration**

I hereby declare that my presentation of this paper constitutes a certification under 37 C.F.R § 10.18, which provides, in part, that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and that further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful statements may jeopardize the validity of the application and any patent issuing therefrom.

Date

Feb 9, 2004CWC

Signature

[Signature]

Name

David J. Smith

Title

Executive Vice-President, Secretary and General Counsel

Attorney's Docket No. 031054

**PATENT**

For: ☒ U.S. and/or ☒ Foreign Rights  
For: ☒ U.S. Application or  
☐ U.S. Provisional Application  
For: ☐ U.S. Patent  
For: ☐ PCT Application  
By: Multiple Inventors

**ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNORS (Inventors):**

<u>Wuli Bao</u> (type or print name of inventors)	<u>432 Tyrone Drive</u> <u>Forsyth, IL 62535</u> Address	<u>USA</u> Nationality
<u>Thomas P. Binder</u>	<u>2323 W. Packard Street</u> <u>Decatur, IL 62522</u>	<u>USA</u>
<u>Paul D. Hanke</u>	<u>2622 Wadsworth Lane</u> <u>Urbana, IL 61802</u>	<u>USA</u>
<u>Leif Solheim</u>	<u>8331 Timber Trail</u> <u>Decatur, IL 62521</u>	<u>USA</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

 **COPY**

hereby sells, assigns and transfers to

ASSIGNEE:

Archer-Daniels-Midland Company  
(type or print name of ASSIGNEE)

4666 East Faries Parkway  
Address

(a Delaware corporation)  
Nationality

Decatur, IL 62526

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

☒ the entire right, title and interest

☐ an undivided \_\_\_\_\_ percent ( \_\_\_\_\_ %) interest for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

☒ and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled: **CELL-FREE PRODUCTION OF GLUCOSAMINE**

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in

(a) ☐ U.S. patent application executed on even date herewith

(b) ☐ U.S. patent application executed on \_\_\_\_\_

(c) ☐ U.S. provisional application naming the above inventor(s) for the above-entitled invention

☐ Express mail label no.: \_\_\_\_\_

Mailed: \_\_\_\_\_

☐ To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.

(d) ☒ U.S. application no.: 10/671,886 filed on September 29, 2003

(e) ☐ International application no. PCT / \_\_\_\_\_ / \_\_\_\_\_  
filed on \_\_\_\_\_

(f) ☐ U.S. patent no. \_\_\_\_\_ issued \_\_\_\_\_

☐ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(also check (g), if foreign application(s) is also being assigned)

 **COPY**



- (g) ☒ and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal on the date(s) indicated below.

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Wuli Bao  
(type name of Inventor)

Wuli Bao 2/9/04  
Signature of INVENTOR Date

Thomas P. Binder  
(type name of Inventor)

TP Binder 2/13/04  
Signature of INVENTOR Date

Paul D. Hanke  
(type name of Inventor)

Paul D. Hanke 2/13/04  
Signature of INVENTOR Date

Leif Solheim  
(type name of Inventor)

Leif Solheim 13 Feb 04  
Signature of INVENTOR Date

☐ Notarization or Legalization Page Added.

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

 **COPY**